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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/881,604	06/14/2001	Sean W. March	NORT0100US (14531RRUS01U)	6409
7590 12/02/2004			EXAMINER	
Dan C. Hu TROP, PRUNER & HU, P.C. 8554 Katy Freeway, Ste. 100 Houston, TX 77024			CHANG, RICHARD	
			ART UNIT	PAPER NUMBER
			2663	

DATE MAILED: 12/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 09/881,604	Applicant(s) MARCH ET AL. <i>AK</i>	
	Examiner Richard Chang	Art Unit 2663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 March 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☐ Claim(s) \_\_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3, 14 and 20 is/are rejected.
- 7) ☒ Claim(s) 4-13, 15-19 and 21-25 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>03/01/2004</u> . | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-3 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by US patent No. 6, 307,845 ("Hummelgren et al.").

Regarding claim 1, Hummelgren et al. teach a method and networks of Gateway Packet Mobile Services Switching Center (GP MSC) in mobile communication system (A system for use in communications) between a first network (IP mail box) and an external network (Internet Host) (See Fig. 3, Col 4, lines 1-3) comprising of

receiving packet from the Internet Host (receiving, in a system, a data unit) containing a source address indicating a source of packet (See Fig. 3, Col 4, lines 3-8), comparing the source address of the packet to the MS/DTE address entries in the table (matching the source address with information stored in the system) (See Fig. 3, Col 4, lines 14-18), and

forwarding the packet into the IP voice mailbox associated with the matched MS/DTE address (enabling entry of the data unit to the first network) if a

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matching MS/DTE address is found in the table and discarding the packet if no match (denying entry of the data ... stored in the system) (See Fig. 3, Col 4, lines 12-14).

Regarding claim 2, Hummelgren et al. further teach that matching the source address with a look-up table for Mobile station and DTE address translation mapping (See Fig. 3, Col 4, lines 9-12).

Regarding claim 3, Hummelgren et al. further teach that source address comprises matching an Internet Protocol address (See Fig. 3, Col 4, lines 5-6).

3. Claims 14 and 20 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by US patent No. 6,744,767 ("Chiu et al.").

Regarding claims 20, Chiu et al. teach a method and networks of voice gateways (22) for bandwidth management during implementation of Quality of Service using Internet Protocol provisioning (A system for ... external network) (See Fig. 2) comprising of

a memory buffer (54) (See Fig. 2, Col 5, lines 53-55) (a storage module) to store the global and local thresholds (a threshold value) for a service classes when a packet arrives (communications session), the global threshold indicates the maximum incoming packet rate (an acceptable rate of incoming data units from the external network to the first network) (See Fig. 5, Col 10, lines 11-14), and

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a Weighted Random Early Discard (516) (controller) to drop the packet if the local and global threshold exceeded (adapted to deny further ... the rate of incoming data units exceeds the threshold value) (See Fig. 5, Col 4, lines 18-23).

Regarding claims 14, Chiu et al. further teach that the voice gateways (22) typically include a microprocessor (42), memory system (44) to store and execute the instructions for the communication network system connection functions (See Fig. 2, Col 5, lines 33-38).

### ***Allowable Subject Matter***

4. Claims 4-13, 15-19 and 21-25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims and if no art rejection can be applied.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

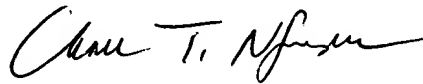
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*Rkc*  
rkc

Richard Chang  
Patent Examiner  
Art Unit 2663



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SUPERVISORY PATENT EXAMINER  
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